www.prolight.co.uk

INTENSE 12D4 CW/WW LED SLIM PANEL

Order code: LEDJ253

User manual

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

CAUTION!

Keep this equipment away from rain, moisture and liquids.

SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual

CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Cleaning must be done at regular intervals.
- Before cleaning, wait until the unit has cooled.
- Use a vacuum or dry compressed air and a soft brush to remove the dust collected on the external vents and accessible internal components.
- Clean the external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol and wipe with a soft, lint free cotton cloth or lense cleaning tissue.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 100V/240V.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, LED failure etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property.

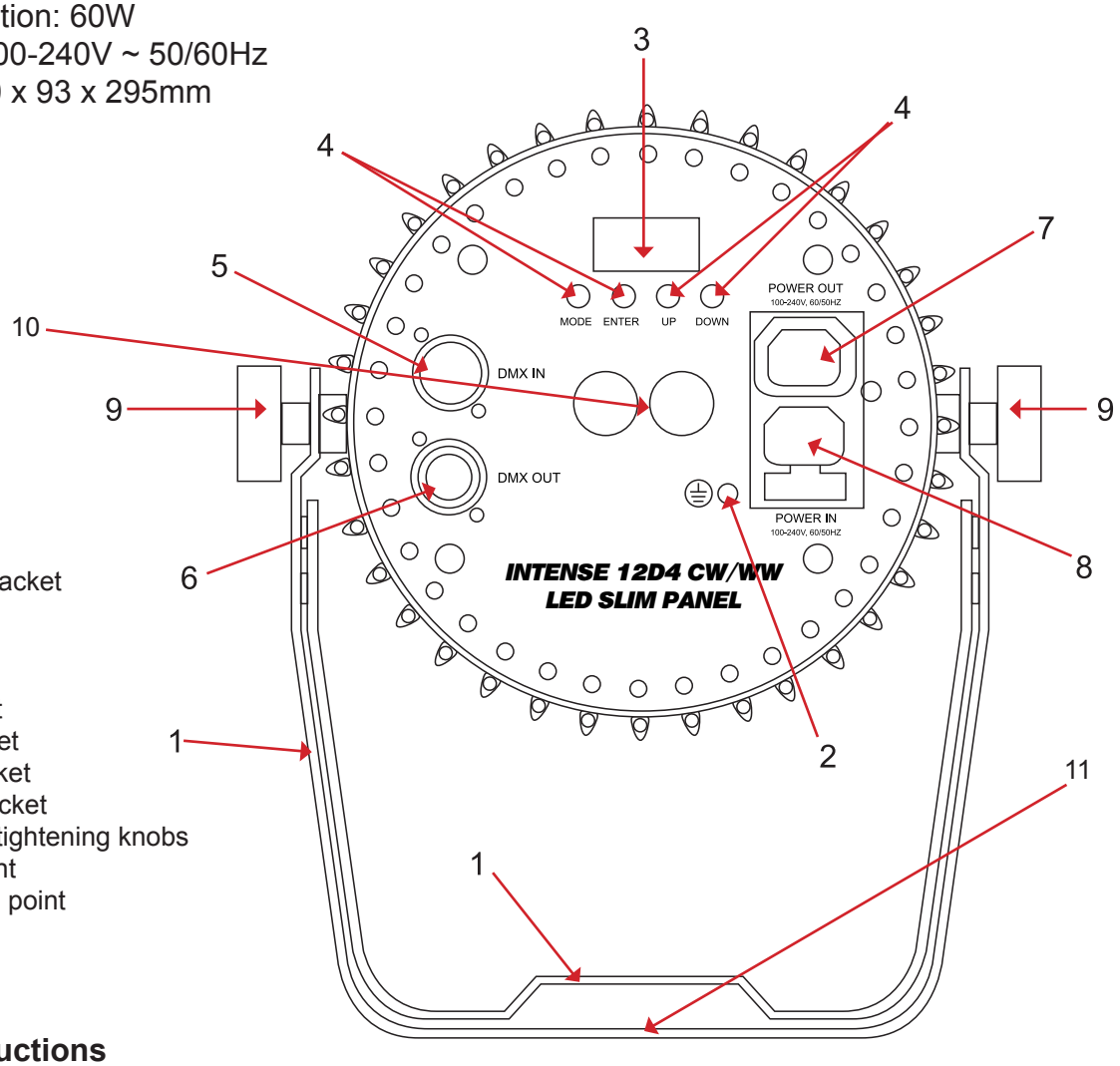
You should find inside the LEDJ carton the following items:

1, Intense 12D4 CW/WW LED Slim Panel 2, Instruction manual 3, Power cable

Technical Specifications:

DMX Channels: 2 or 4 selectable
12 x 4W CW/WW LEDs
Beam angle: 28 degrees
Built-in programmes, auto, master/slave and DMX modes
IEC power in sockets
3-Pin XLR in/out sockets
4 push button menu with LED display
Twin hanging / floor bracket
Convection cooled
Power Consumption: 60W
Power supply: 100-240V ~ 50/60Hz
Dimensions: 260 x 93 x 295mm
Weight: 2.5Kgs

Overview:



Identification:

1. Hanging / floor bracket
2. Earth screw
3. LED display
4. Function buttons
5. DMX input socket
6. DMX output socket
7. IEC power in socket
8. IEC power out socket
9. Hanging bracket tightening knobs
10. Safety bond point
11. Clamp mounting point

Setup

Operating Instructions

The Intense 12D4 CW/WW is a DMX-512 controllable, full CW/WW colour mixing Par Can made up of high efficiency 4W LED's. There are two colour groups (cool white and warm white) whose intensity can be controlled individually allowing the creation of an unlimited range of colour temperatures.

The Intense 12D4 CW/WW will operate in Stand-alone, Master/Slave and DMX-512 control modes.

DMX mode:
To access the DMX mode, press the **“MODE”** button on the LED display to show **“d001”** on the LED display. Now press the **“ENTER”** button and use the **“UP”** and **“DOWN”** buttons to set the desired DMX address setting from **“d001 - d512”**. Once you have selected the desired DMX address setting, press the **“ENTER”** button to choose one of the 2 or 4 DMX channel modes use the **“UP”** and **“DOWN”** buttons and press the **“ENTER”** button to confirm the setting.

Built-in programme mode
To access the static colour mode, press the **“MODE”** button on the LED display to show **“Pr01”** on the LED display. Now use the **“UP”** and **“DOWN”** buttons to scroll the built in programmes from Pr01 to Pr04.

To change the speed of the selected programme, press the **“ENTER”** button and use the **“UP”** and **“DOWN”** buttons to set the speed from 00 to 99. To add strobe press the **“ENTER”** button again and use the **“UP”** and **“DOWN”** buttons to set strobe from 00 to 99. To confirm your setting press the **“ENTER”** button. **Note: 00 = slow, 99 = fast.**

In **“Pr01”** you can set a specific static colour. When in Pr01, press the **“ENTER”** button and use the **“UP”** and **“DOWN”** buttons to scroll through the list of built-in static colours.

0 = Off 1 = Cool White 2 = Warm White 3 = Cool white & Warm White

To adjust the brightness of the selected colour, press the **“ENTER”** button and use the **“UP”** and **“DOWN”** buttons to to increase or decrease the brightness from 000-255.
Note 000 = Off 255 = full on.

To add strobe press the **“ENTER”** button again and use the **“UP”** and **“DOWN”** buttons to set strobe from 00 to 99. To confirm your setting press the **“ENTER”** button.
(00 = slow, 99 = fast)

Auto run mode
To access the auto run mode, press the **“MODE”** button on the LED display to show **“AUTO”** on the LED display. The unit will run through all of its built-in programmes.

Master/slave mode
To set the unit as the master, simply use any of the above modes.
To set the unit as a slave unit(s), press the **“MODE”** button on the LED display to show **“SLAv”** on the LED display. Now the unit will follow in sequence with the master unit.

DMX charts:

2 channel DMX chart:

CHANNEL	VALUE	FUNCTION
1	0-255	Cool white 0-100%
2	0-255	Warm white 0-100%

4 channel DMX chart:

CHANNEL	VALUE	FUNCTION
1	0-255	Cool white 0-100%
2	0-255	Warm white 0-100%
3	0-9	No function
	10-255	Strobe (slow to fast)
4	0	No function
	1-255	50 Static colour temperatures

DMX-512:

• DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX Linking:

• DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA Cable (DMX cable) requirements (for DMX operation):

• The LEDJ Intense 12D4 CW/WW can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

Figure 1

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers.
Please quote:

CABL10 – 2M
CABL11 – 5M
CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.

DATA Cable (DMX cable) requirements (for DMX operation):

• The Intense Series can be controlled via DMX-512 protocol. The DMX address can be set on the back of the fixture. Your fixture and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).

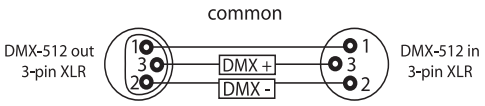
Figure 1

Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers.
Please quote:
CABL10 – 2M
CABL11 – 5M
CABL12 – 10M

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

• Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.



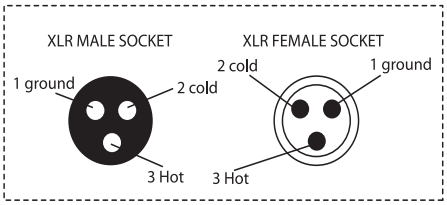


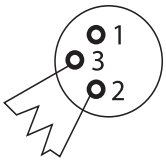
FIGURE 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

FIGURE 2

Special Note: Line termination:

• When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

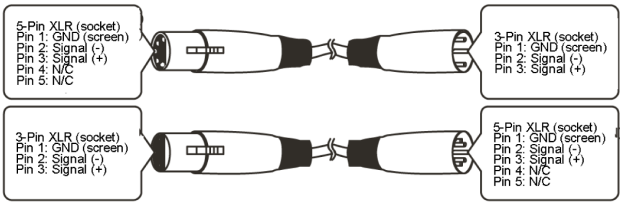


Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

Using a cable terminator (part number CABL90 3-pin, CABL89 5-pin) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:

• Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.



Notes:

Notes:

Notes:

English

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with seperate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please seperate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Create the right effect

www.prolight.co.uk